

Title (en)

FLIGHT VEHICLE, COMMUNICATION MANAGEMENT SYSTEM, CONTROL SYSTEM, AND CONTROL METHOD

Title (de)

LUFTFAHRZEUG, KOMMUNIKATIONSVERWALTUNGSSYSTEM, STEUERUNGSSYSTEM UND STEUERUNGSVERFAHREN

Title (fr)

AÉRONEF, SYSTÈME DE GESTION DE COMMUNICATION, SYSTÈME DE COMMANDE ET PROCÉDÉ DE COMMANDE

Publication

EP 4271125 A1 20231101 (EN)

Application

EP 21910539 A 20211215

Priority

- JP 2020215886 A 20201224
- JP 2021046359 W 20211215

Abstract (en)

Provided is a flight vehicle which has an antenna for forming a wireless communication area by irradiating beam towards a ground to provide a wireless communication service to a user terminal in the wireless communication area, the flight vehicle including an FL communication unit which communicates with a core network on the ground via a feeder link, a UP execution unit which executes a user plane function, and a communication control unit which performs control such that communication between a first user terminal in the wireless communication area and a second user terminal is relayed without intermediation of the core network by the user plane function.

IPC 8 full level

H04W 88/08 (2009.01); **B64C 39/02** (2023.01); **B64F 1/36** (2017.01); **H04W 4/30** (2018.01); **H04W 84/06** (2009.01)

CPC (source: EP US)

B64C 39/02 (2013.01 - EP); **B64F 1/36** (2013.01 - EP); **H04B 7/18504** (2013.01 - EP US); **H04W 4/30** (2018.02 - EP); **H04W 40/20** (2013.01 - EP); **H04W 40/22** (2013.01 - EP); **H04W 88/08** (2013.01 - EP); **H04W 84/06** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

US 2023308166 A1 20230928; EP 4271125 A1 20231101; EP 4271125 A4 20240612; JP 2022101358 A 20220706;
WO 2022138391 A1 20220630

DOCDB simple family (application)

US 202318327059 A 20230601; EP 21910539 A 20211215; JP 2020215886 A 20201224; JP 2021046359 W 20211215